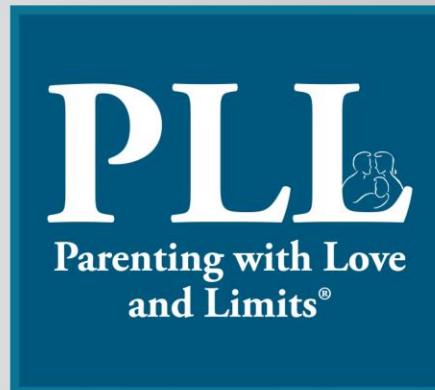


TRIAD & Harris County Juvenile Board

Year Eight of PLL Program (2016)

Prepared by Ellen Souder
Vice President, PLL Clinical Services



Utilization – Number of Families Served

Utilization

Served **1161** new families in eight years

Completers

Non-Completers

Administrative
Discharge

1041

84

47*

*27 families that were administratively discharged were not counted as a new family due to only attending one session

Family Completion

Does PLL achieve a high level of parent participation as evidenced by a completion rate of at least 70%?

In order to complete the PLL program, the youth/family must:



- ✓ Attend & participate in at least 5 group therapy sessions
- ✓ Attend & participate in at least 4 family coaching sessions
- ✓ Receive the full dosage of the model (Group and Core Coaching Phases)

Cumulative RESULTS – Eight Years

Completion Rate		
	Number	Percentage
Successful Completers	1041	93%
Non-Completers	84	7%

March 7, 2008 – March 6, 2016

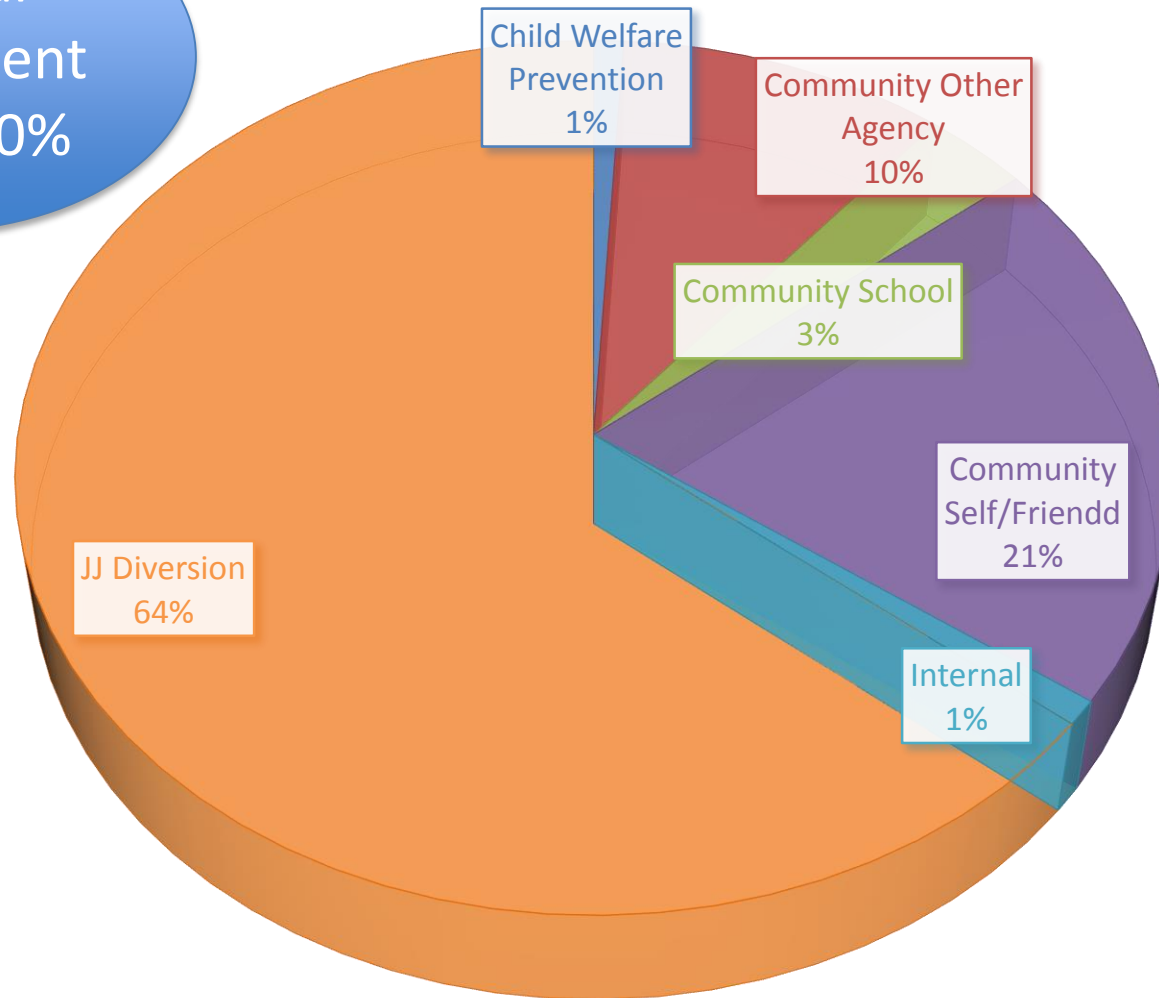


Utilization/Graduation Rate	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	Year 7	Year 8	Total
	08-09	09-10	10-11	11-12	12-13	13-14	14-15	15-16	
Total # of New Families served during License Period	70	129	97	112	136	183	223	211	1161
Number of families that Graduated from PLL during License Period	51	85	90	106	121	171	222	195	1041
Number of families that Dropped out during License period	10	25	15	5	8	8	9	4	84
Graduation Rate	84%	77%	86%	95%	94%	96%	96%	98%	93%
Number of families Administratively Discharged during License Period	1	0	3	10	3	8	17	5	47

The PLL Program began in March 2008

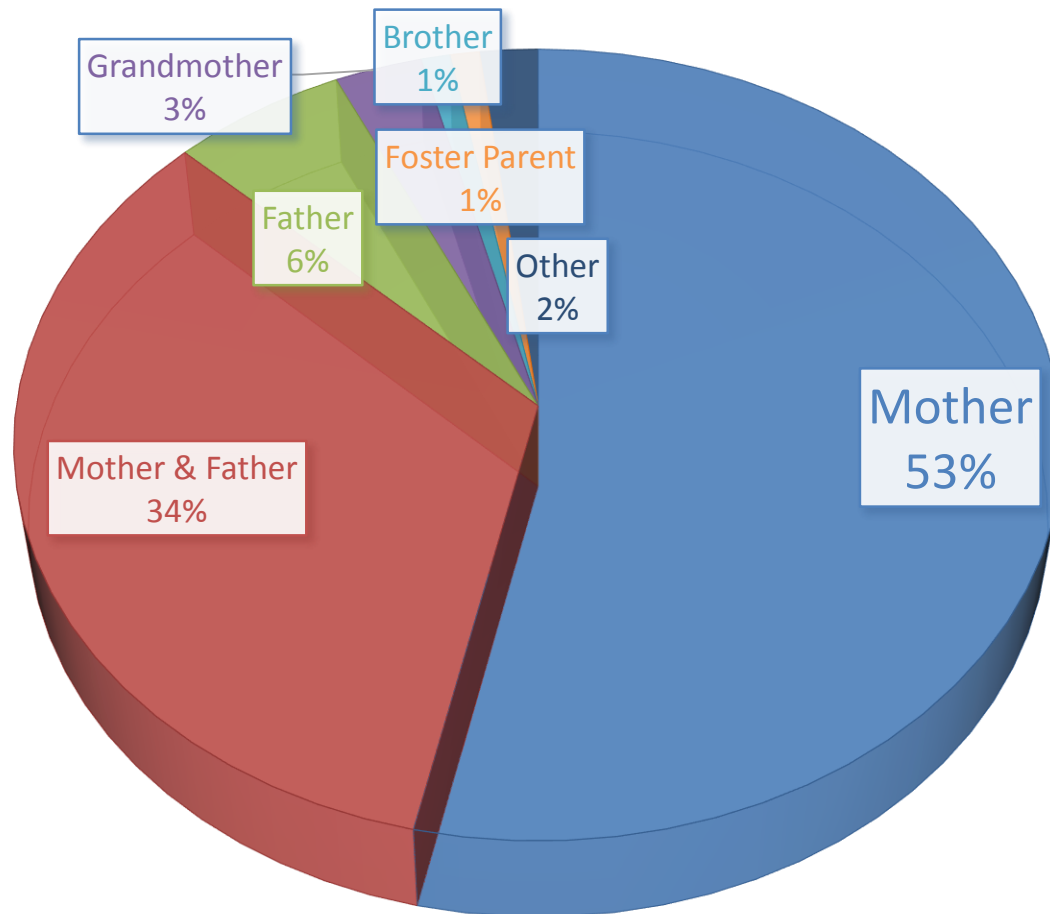
Referral Sources – Year Eight

Referral
Engagement
Rate: 100%



Received a total of 218 referrals. (All were eligible)

Family Demographics – Primary Caregiver

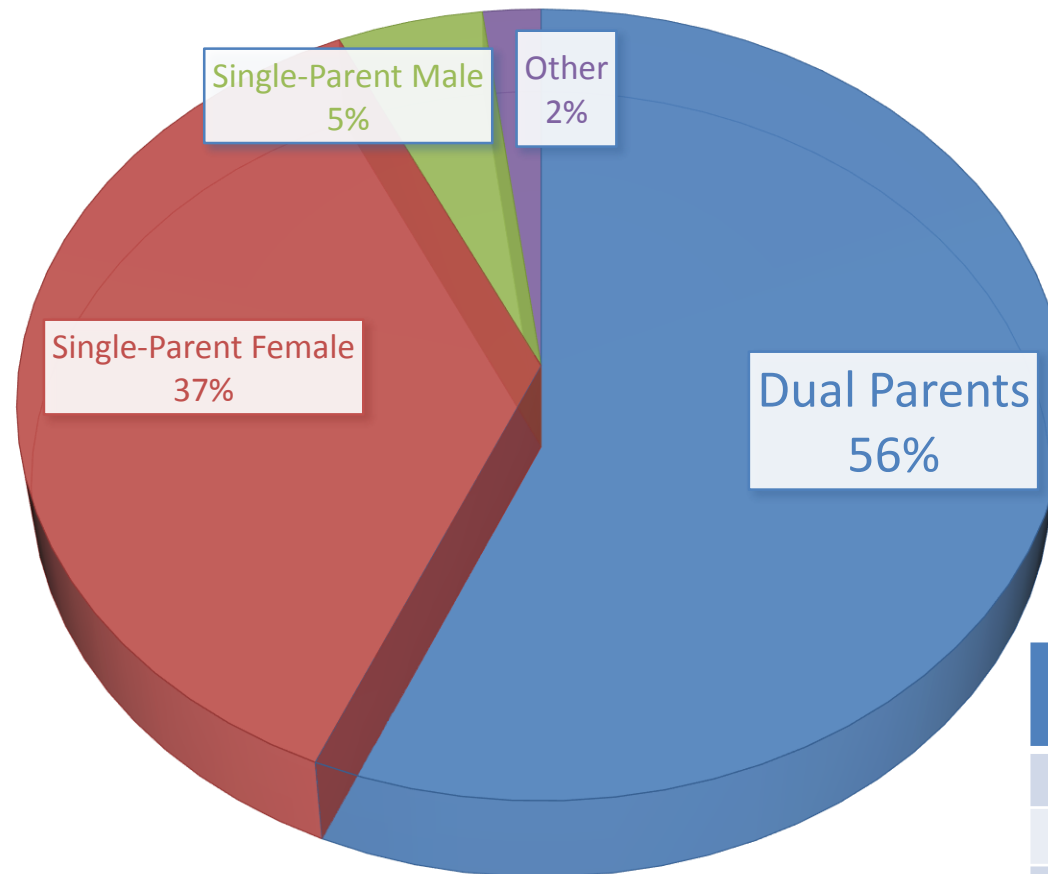


A Look Back: First 7 Years (n=926)

Mother	54%
Mother & Father	42%
Father	3%
Grandmother	1%

The large pie chart represents percentages from the sum total of the completers and non-completers for year eight (n=199)

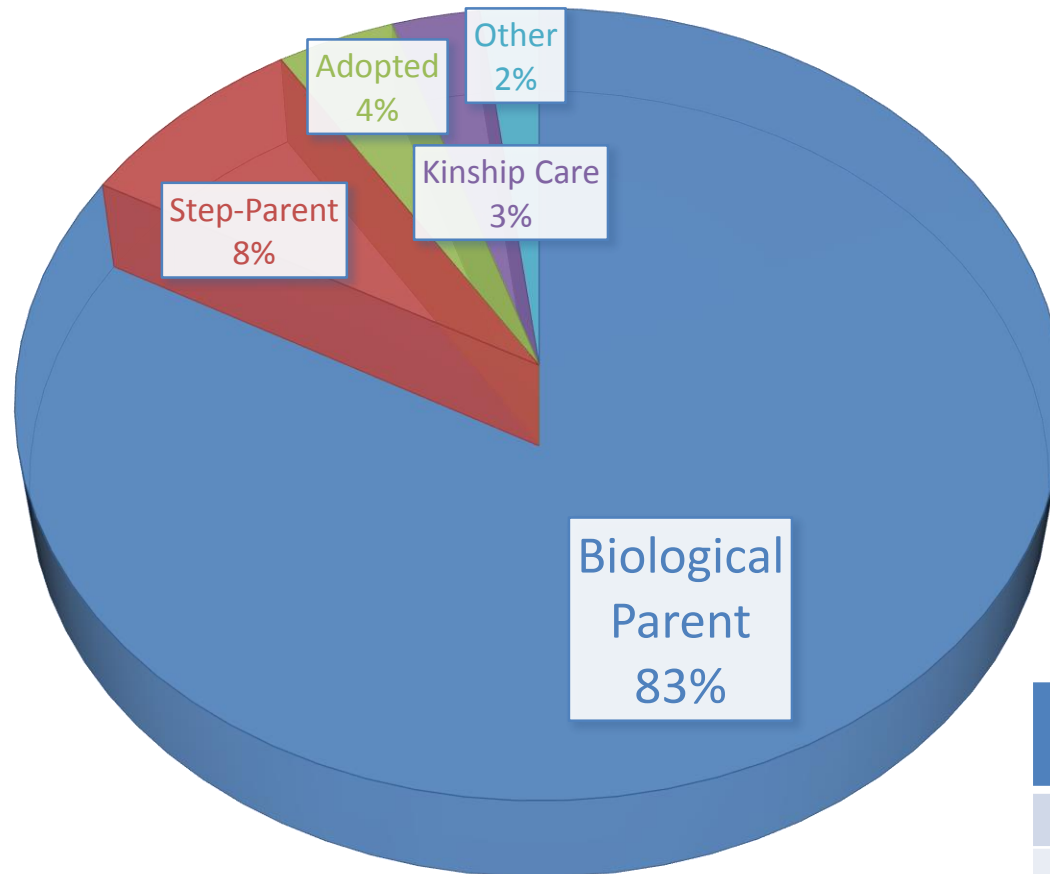
Family Demographics – Number of Parents



A Look Back: First 7 Years (n=926)	
Single Parent Female	51%
Dual-Parents	45%
Single Parent Male	3%
Other	1%

The large pie chart represents percentages from the sum total of the completers and non-completers for year eight (n=199)

Family Demographics – Kind of Parents

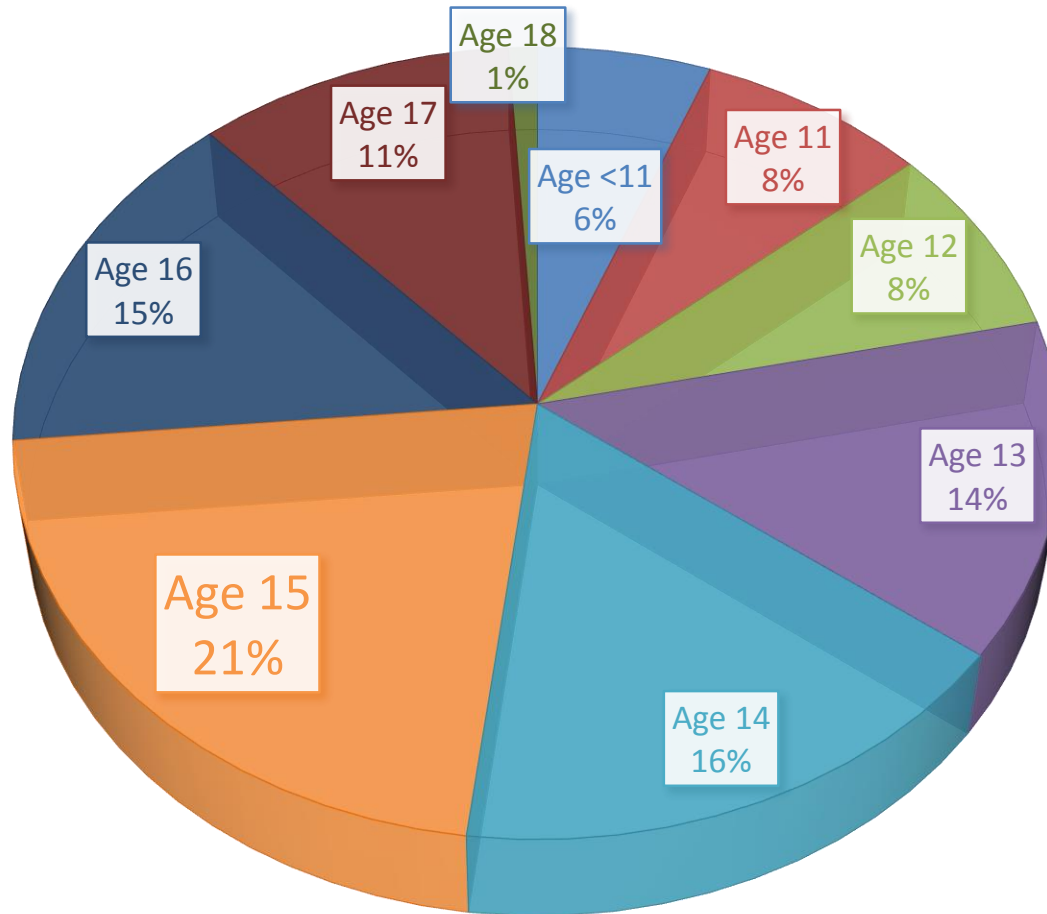


A Look Back: First 7 Years (n=926)

Biological Parent	88%
Step-Parent Family	10%
Kinship Care	1%
Adopted	1%

The large pie chart represents percentages from the sum total of the completers and non-completers for year eight (n=199)

Youth Demographics – Age at Admission

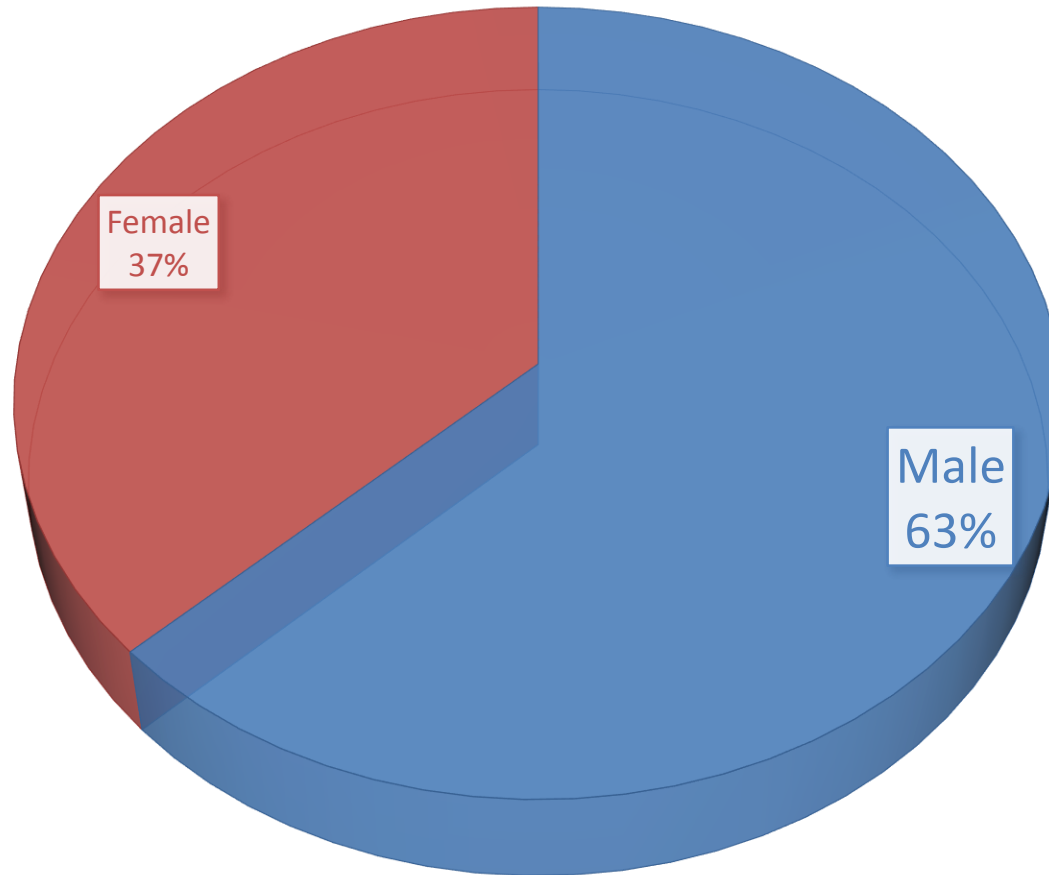


A Look Back: First 7 Years (n=926)

Age <11	4%
Age 11	7%
Age 12	11%
Age 13	14%
Age 14	16%
Age 15	23%
Age 16	18%
Age 17	7%

The large pie chart represents percentages from the sum total of the completers and non-completers for year eight (n=199)

Youth Demographics - Gender

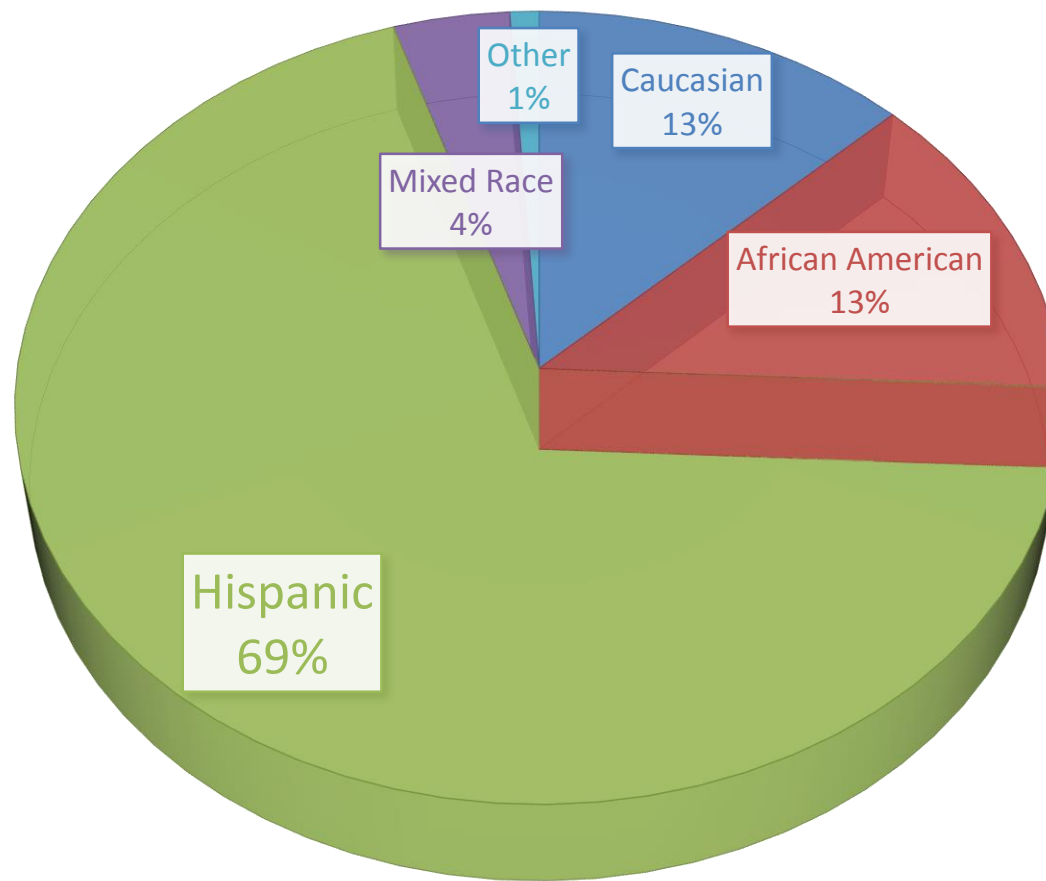


**A Look Back: First 7 Years
(n=926)**

Male	52%
Female	48%

The large pie chart represents percentages from the sum total of the completers and non-completers for year eight (n=199)

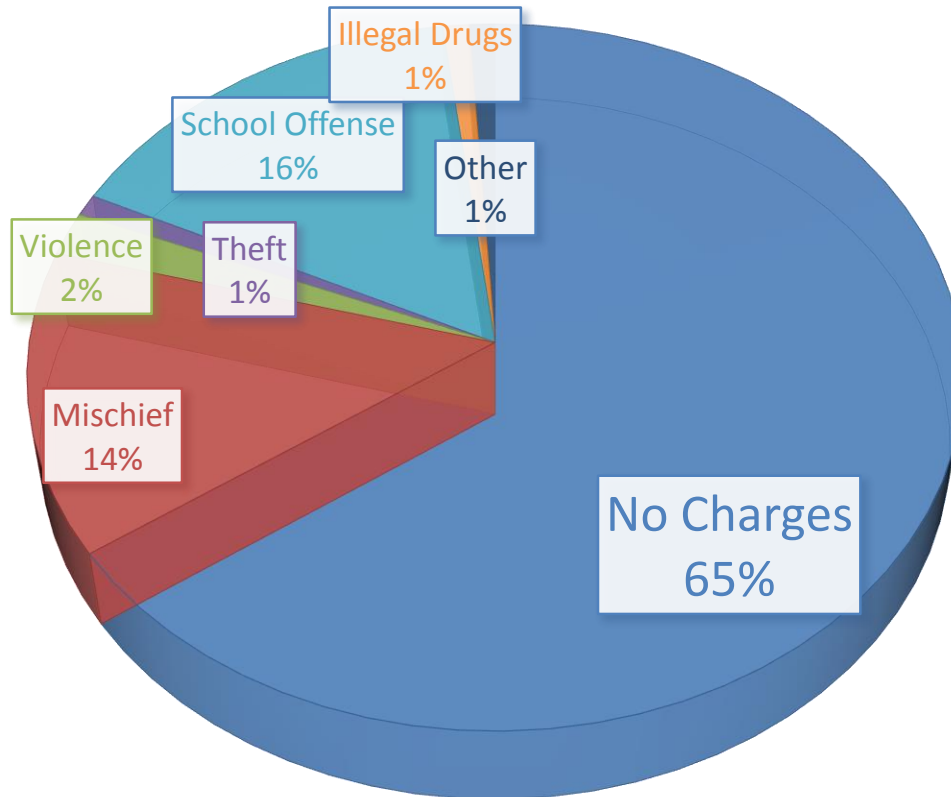
Youth Demographics – Race-Ethnicity



A Look Back: First 7 Years (n=926)	
Caucasian	15%
Other	1%
Hispanic	63%
African American	20%
Mixed Race	1%

The large pie chart represents percentages from the sum total of the completers and non-completers for year eight (n=199)

Youth Demographics – Type of Offense



A Look Back: First 7 Years (n=926)

No Charges	66%
Other	3%
Illegal Drugs	2%
School Offense	21%
Theft	1%
Violence	3%
Mischief	4%

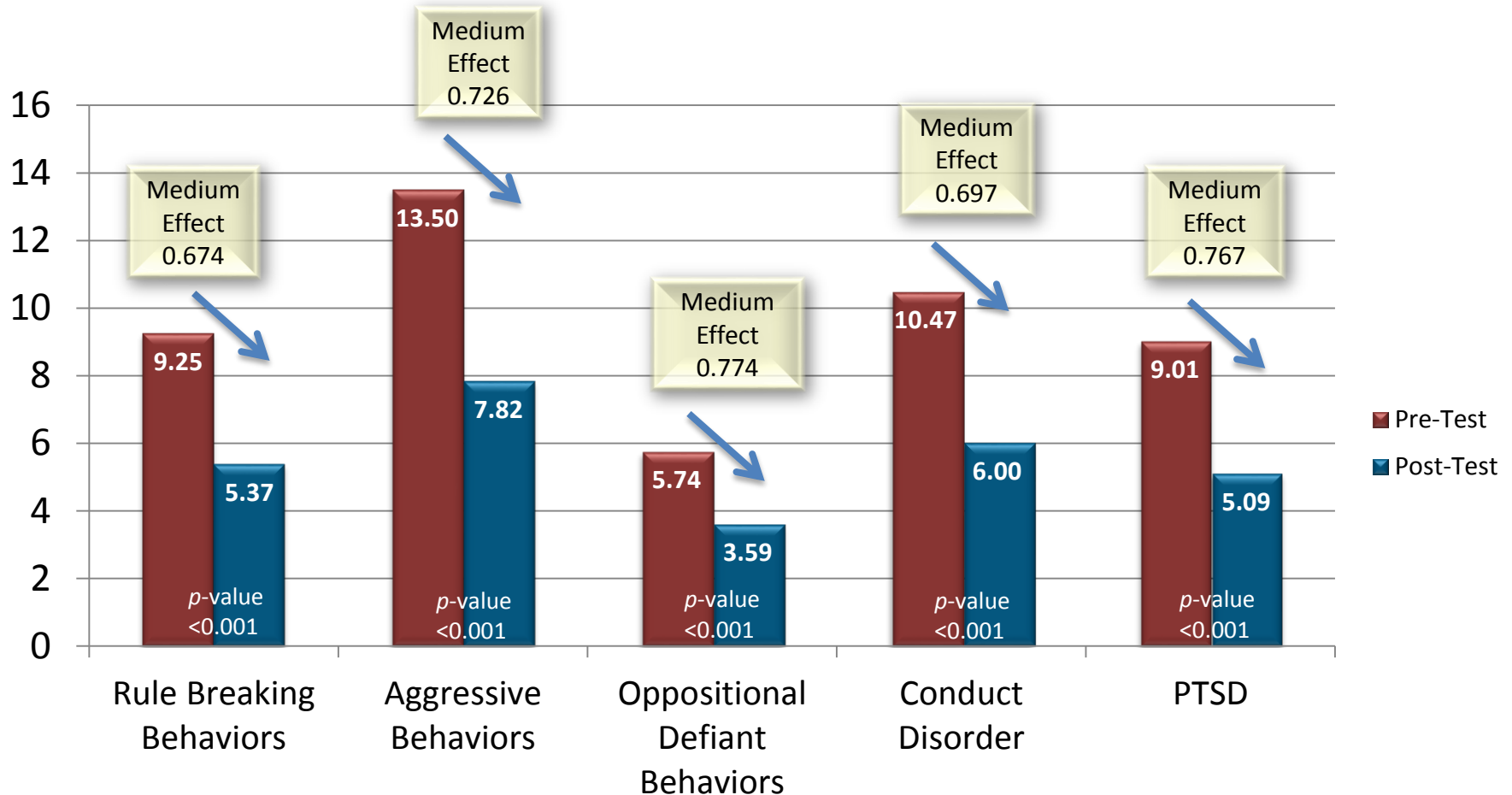
The large pie chart represents percentages from the sum total of the completers and non-completers for year eight (n=199)

Child Behavior Checklist Outcomes

Child Behavior Checklist (CBCL) Analysis (n = 179)						
CBCL Scales	Pre-Test Mean	Post-Test Mean	Change	t-Score	Significance or p-Value	Effect Size
Anxious	5.44	3.08	2.36	8.545	<0.001	0.592
Withdrawn	5.15	2.73	2.42	9.883	<0.001	0.728
Somatic Complaints	3.02	1.90	1.12	4.646	<0.001	0.366
Total Internalizing Behaviors	13.61	7.71	5.91	9.476	<0.001	0.667
Rule Breaking	9.25	5.37	3.87	10.891	<0.001	0.674
Aggressive Behaviors	13.50	7.82	5.68	11.052	<0.001	0.726
Total Externalizing Behaviors	22.74	13.19	9.55	11.877	<0.001	0.753
Social Problems	4.59	2.56	2.03	7.807	<0.001	0.588
Thought Problems	3.73	2.34	1.40	6.465	<0.001	0.375
Attention Problems	7.79	4.98	2.81	9.177	<0.001	0.618
Other Problems	5.86	3.45	2.41	9.458	<0.001	0.595
Oppositional Defiant Disorder	5.74	3.59	2.15	11.006	<0.001	0.774
Conduct Disorder	10.47	6.00	4.47	11.012	<0.001	0.697
Post-Traumatic Stress Disorder	9.01	5.09	3.91	10.258	<0.001	0.767
Total Problems*	58.34	34.23	24.11	11.530	<0.001	0.739

All the scales show a drop between pre-test and post-test, which is the desired outcome and all the scales **meet the standard for very high significance**. This is an excellent outcome!

Does PLL reduce problem behaviors as measured by the Child Behavior Checklist (CBCL)?

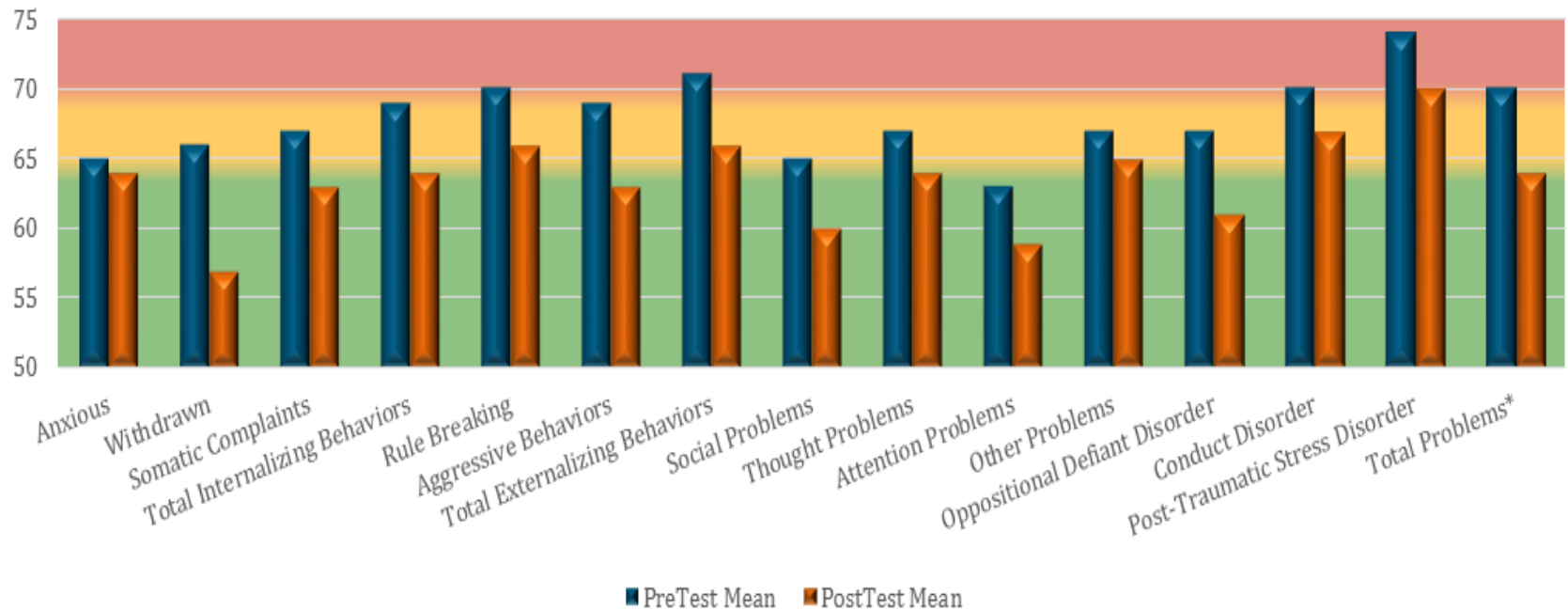


The effect sizes seen here show that the improvements in youth behavior achieved over the course of PLL services are not only statistically significant but also large enough to be easily noticeable.

Small Effect size (between 0.1 and 0.3)=noticeable difference; Medium Effect Size (under 0.8) = very noticeable difference; Large Effect Size (0.8 and over) = "Wow" noticeable difference.

Child Behavior Checklist Outcomes

Figure 2: CBL Outcomes (Normalized)



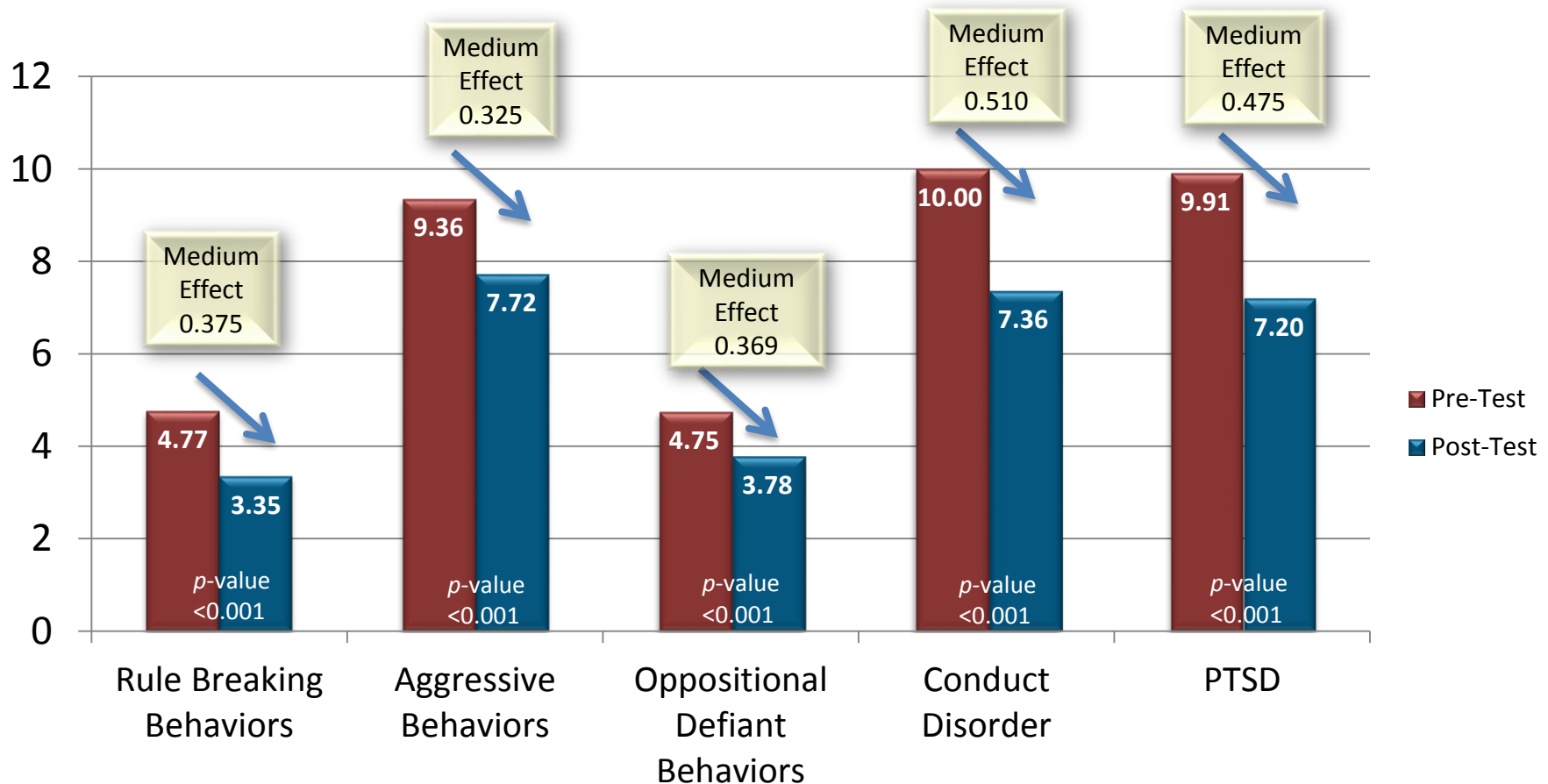
To put the scores into perspective, Figure 2 shows the average pre-test and post-test scores for each scale normalized against the overall juvenile population. The green area at the bottom of each graph indicates the normal range, comprising roughly 65 percent of the general population. The red region at the top covers the range of scores defined as the clinical range, indicating serious problems, where approximately two percent of the general population would be found. The yellow region in between is the borderline range, and represents around one third of the general population. Figure 2 illustrates that the *average* pre-test scores on several important scales – Total Internalizing Behaviors, Rule Breaking, Aggressive Behaviors, Total Externalizing Behaviors, Conduct Disorder, Post-Traumatic Stress Disorder and Total Problems – fall near or above the boundary between the borderline and clinical regions. For this to be the average score, a considerable number of youth scored in the clinical range on these scales. Even for those scales whose pre-test average lies lower in the borderline region there were many scores in the borderline and clinical ranges. The post-test average scores likewise clearly indicate improvement.

Youth Self Report Outcomes

Child Behavior Checklist (CBCL) Analysis (n = 169)						
CBCL Scales	Pre-Test Mean	Post-Test Mean	Change	t-Score	Significance or p-Value	Effect Size
Anxious	6.10	4.12	1.98	6.242	<0.001	0.385
Withdrawn	5.75	4.41	1.34	5.786	<0.001	0.395
Somatic Complaints	4.96	3.98	0.98	4.205	<0.001	0.247
Total Internalizing Behaviors	16.82	12.51	4.30	6.937	<0.001	0.393
Rule Breaking	4.77	3.35	1.42	5.064	<0.001	0.375
Aggressive Behaviors	9.35	7.72	1.63	5.831	<0.001	0.325
Total Externalizing Behaviors	8.74	6.75	1.99	6.606	<0.001	0.478
Social Problems	10.43	8.08	2.35	6.752	<0.001	0.467
Thought Problems	12.20	9.37	2.82	6.309	<0.001	0.430
Attention Problems	22.62	17.45	5.17	7.257	<0.001	0.487
Other Problems	14.05	12.49	1.56	4.740	<0.001	0.352
Oppositional Defiant Disorder	4.75	3.78	0.96	4.780	<0.001	0.369
Conduct Disorder	10.00	7.36	2.64	7.140	<0.001	0.510
Post-Traumatic Stress Disorder	9.91	7.20	2.71	7.269	<0.001	0.475
Total Problems*	76.34	60.27	16.08	8.052	<0.001	0.487

All the scales show a drop between pre-test and post-test, which is the desired outcome and all the scales **meet the standard for very high significance**. This consistency between the Caregiver Reports on the CBCL with the Youth Self Reports is a strong indication that youth behavior has changed for the better.

Does PLL reduce problem behaviors as measured by the Child Behavior Checklist (CBCL)?



The effect sizes as reported by the youth is also predominately in the moderate range indicating that the changes are easily noticeable.

Small Effect size (between 0.1 and 0.3)=noticeable difference; Medium Effect Size (under 0.8) = very noticeable difference; Large Effect Size (0.8 and over) = "Wow" noticeable difference.